

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 12/02/2021 09:37 AM
Cytometer Baseline: 06/17/2021 10:50 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 12757 **Expiration Date:** 06/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124992	-1	2.38	124934	2.32
Blue	F	SSC	125000	122203	-3	3.32	122589	3.13
Blue	E	FITC	13131	12646	-4	3.33	290	16.15
Blue	D	PE	24112	23700	-2	2.95	540	11.43
Blue	B	PerCP-Cy5-5	31295	30707	-2	4.06	1011	15.18
Blue	A	PE-Cy7	19939	19519	-3	6.09	519	29.98
Red	C	APC	42122	41319	-2	2.81	1732	11.41
Red	A	APC-Cy7	22340	21707	-3	3.15	812	11.94
Violet	B	V450	7410	7140	-4	3.99	432	13.15
Violet	A	V500	28118	26979	-5	3.50	672	10.28

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22424	2.94	584	15	N/A	N/A	Pass
Blue	F	SSC	56818	2.28	520	8	N/A	N/A	Pass
Blue	E	FITC	53	56.10	487	0	0.0393	110	Pass
Blue	D	PE	113	37.53	490	2	0.3461	247	Pass
Blue	B	PerCP-Cy5-5	188	37.35	588	2	0.0189	85	Pass
Blue	A	PE-Cy7	102	71.00	630	2	0.0211	3	Pass
Red	C	APC	400	24.25	581	5	0.0277	199	Pass
Red	A	APC-Cy7	182	28.05	556	5	0.0059	966	Pass
Violet	B	V450	61	65.33	461	8	0.0539	2171	Pass
Violet	A	V500	98	35.89	472	7	0.0243	993	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.35	-31.18	1.04
Blue	20.37	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.44
Red	14.22	13.60 - 20.40	N/A	N/A	29.69	29.91	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10246

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments